

Important safety instructions

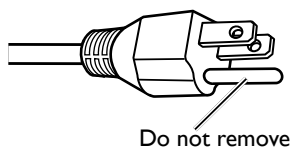
Your projector is designed and tested to meet the latest standards for safety of information technology equipment. However, to ensure safe use of this product, it is important that you follow the instructions mentioned in this manual and marked on the product.

General safety instruction

1. Do not look straight at the projector lens during operation. The intense light beam may damage your eyes.
2. Always open the lens shutter or remove the lens cap when the projector light source is on.
3. In some countries, the line voltage is NOT stable. This projector is designed to operate safely within a mains voltage between 100 to 240 volts AC, but could fail if power cuts or surges of ± 10 volts occur. In areas where the mains voltage may fluctuate or cut out, it is recommended that you connect your projector through a power stabilizer, surge protector or uninterruptible power supply (UPS).
4. Do not block the projection lens with any objects when the projector is under operation as this could cause the objects to become heated and deformed or even cause a fire. To temporarily turn off the light source, press **ECO BLANK** on the remote control.
5. Do not place this product on an unstable cart, stand, or table. The product may fall, sustaining serious damage.
6. Do not attempt to disassemble this projector. There are dangerous high voltages inside which may cause death if you should come into contact with live parts.
Under no circumstances should you ever undo or remove any other covers. Refer servicing only to suitably qualified professional service personnel.
7. Do not place this projector in any of the following environments.
 - Space that is poorly ventilated or confined. Allow at least 50 cm clearance from walls and free flow of air around the projector.
 - Locations where temperatures may become excessively high, such as the inside of a car with all windows rolled up.
 - Locations where excessive humidity, dust, or cigarette smoke may contaminate optical components, shortening the projector's life span and darkening the image.
 - Locations near fire alarms
 - Locations with an ambient temperature above 40°C / 104°F
 - Locations where the altitudes are higher than 3000 m (10000 feet).
8. Do not block the ventilation holes.
 - Do not place this projector on a blanket, bedding or any other soft surface.
 - Do not cover this projector with a cloth or any other item.
 - Do not place inflammables near the projector.

If the ventilation holes are seriously obstructed, overheating inside the projector may result in a fire.

9. Do not step on the projector or place any objects upon it. Besides probable physical damage to the projector, doing so may result in accidents and possible injury.
10. Do not place liquids near or on the projector. Liquids spilled into the projector may cause it to fail. If the projector does become wet, disconnect it from the power supply's wall socket and call BenQ to have the projector serviced.



This equipment has a three-pin grounding-type power plug. Do not remove the grounding pin. As a safety feature, this plug will only fit a grounding-type power outlet. If you are unable to fit the plug into the outlet, contact an electrician.

Notice on laser



This symbol indicates that there is a potential hazard of eye exposure to laser radiation unless the instructions are closely followed.

Laser class



(for USA) This Laser Product is designated as Class 3R during all procedures of operation and complies with IEC/EN 60825-1:2007.

(for WW) This Laser Product is designated as Class I and CONSUMER LASER PRODUCT: EN 50689:2021 during all procedures of operation and complies with IEC 60825-1:2014 and EN 60825-1:2014/A11:2021.



LASER LIGHT - AVOID DIRECT EYE EXPOSURE.

Do not point laser or allow laser light to be directed or reflected toward other people or reflective objects.

Direct or scattered light can be hazardous to eyes and skin.

There is a potential hazard of eye exposure to laser radiation if the included instructions are not followed.

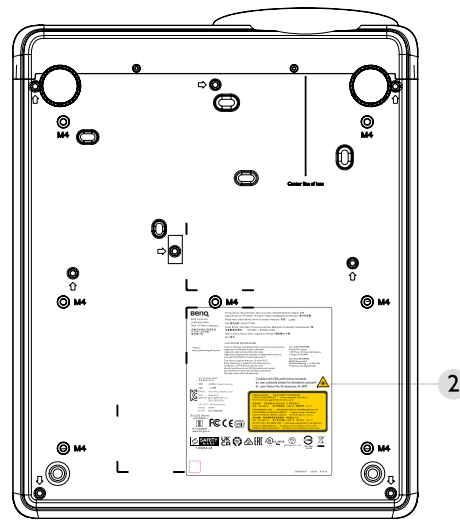
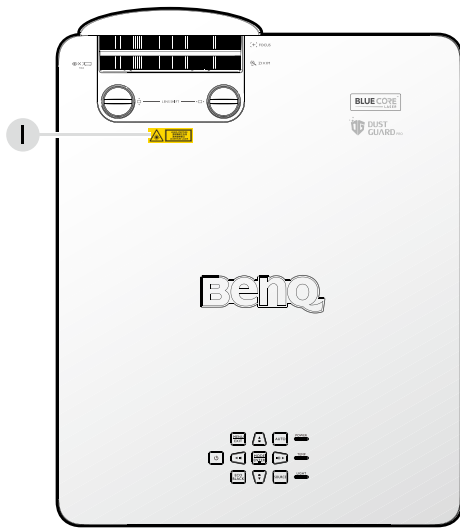
Caution – use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Laser parameters

Wavelength	450nm - 460nm (Blue)
Mode of operation	Pulsed, due to frame rate
Pulse width	1.34ms
Pulse repetition rate	120Hz
Maximum laser energy	0.698mj
Total internal power	>100w
Apparent source size	>10mm, at lens stop
Divergence	>100 mili Radian

Label instruction

Below drawing show the label's location.



1. Laser warning label



2. Spec label

benq
 BenQ Corporation
 16 Jhu Road, Nehu,
 Taipei 114, Taiwan (Taiwan)
 臺灣宏碁股份有限公司
 臺北市114路新莊

Product Name / Nama Produk / Nom du produit / Наименование товара / 品名:
 Digital Projector / Projecteur digital / Цифровые проекторы / 數位投影機
 Model Name / Nama Model / Nom du modèle / Modelo / 型號: LU785
 P/N/產品料號: 9HJ.777.XXX

Power Rating / Nilai Daya / Puissance nominale / Диапазон питающего напряжения / 額定電壓/頻率/電流: 100-240V ~, 50/60Hz, 5.30A
 Made in China / Buisan China / Сделано в Китае / 製造產地: 中國
 Rev.1/版本:

CANICES-003 (S)/NMB-003(B)
 Laito on liitettyä suojaködetillä varustettuun pistorasiaan
 Appareil est relié par les câbles fournis à une prise murale
 Appareet skal anslutas till jords uttag.
 Appareet stikkprop skal tilsluttes en stikkontakt med jord.
 samgner forbrudekabel til stikkontakt jord!
 This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

(For UK) IMPORTER:
 BenQ UK Limited
 14th Floor, 3B Cannonish Square,
 London W1G 0PW

(For EU) IMPORTER:
 BENQ Europe B.V.
 Pleerenskerweg 1-17, 5632 AR,
 Eindhoven, the Netherlands

Complies with FDA performance standards for laser products except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007

LASER RADIATION - AVOID DIRECT EYE EXPOSURE
CLASS III LASER PRODUCT - Entend \approx wavelength: 450-460 nm
 Plus: Pire \approx \approx 0.7 mW/0.75 Pulse duration: 1.04ns
 雷射輻射 - 避免直接照射眼睛 3級雷射產品
 波長: 450-460nm 最大雷射功率: 0.75mW 脈衝時間: 1.04ns
RAYONNEMENT LASER - EXPOSITION DIRECTE DANGEREUSE POUR LES YEUX
APPAREIL À LASER DE CLASSE III - Longueur d'onde: 450-460 nm
 puissance moyenne de rayonnement: 0.75mW - durée de l'impulsion: 1.04ns
 激光輻射 - 避免直接照射眼睛 3級雷射產品
 波長: 450-460nm 雷射平均功率: 0.75mW 脈衝時間: 1.04ns
GB 7247.1-2011 / EC 60825-1:2007 CONSUMER LASER PRODUCT (EN 60825-1:2011)
CLASS II LASER PRODUCT - TIC 60825-1:2011, EN 60825-1:2011 & I 2011
PRODUIT LASER DE CLASSE II - EC 60825-1:2011, EN 60825-1:2011 & I 2011

KTL2010002-19005
 R-41009685
 R-41009685
 www.bis.gov.in

IS 13252 (Part V)
 IEC 60950-1

FC E CE

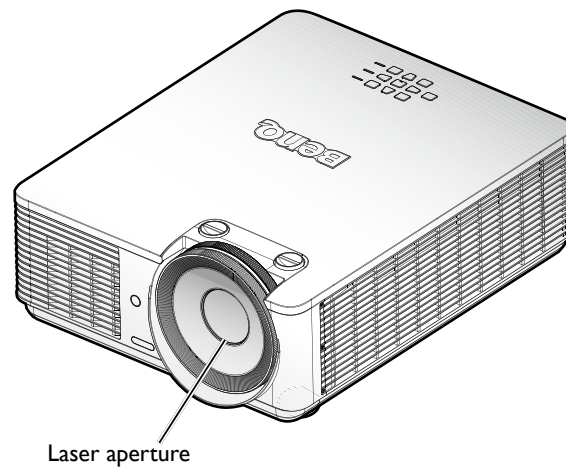
SAFETY MARK UK TÜV ENEC UL LISTED PS E R41009685

190284-24

3284656104 XXXXX XXXXX

Laser light instruction

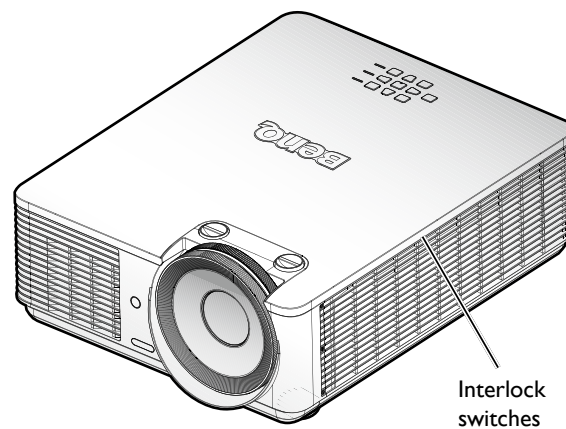
Below drawing is the laser aperture location. Be careful not to let the eye see the light directly.



Interlock switches

This machine has 1 (Top cover x 1) Interlock switches to protect the laser light Leakage.

- Will power-off the system individually when the top cover is removed.

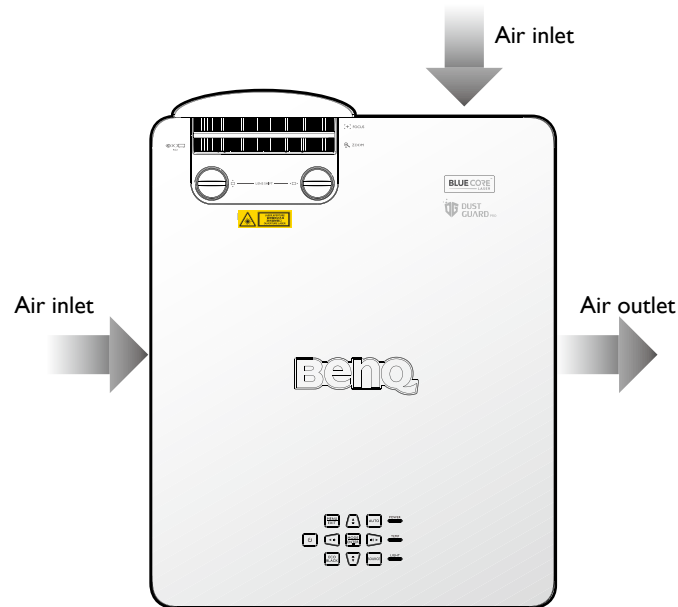


Prepare for installation

Cooling notice

Allow at least 50 cm (19.7 inch) for clearance around the exhaust vent. Make sure no objects block air input within 30 cm (11.8 inch).

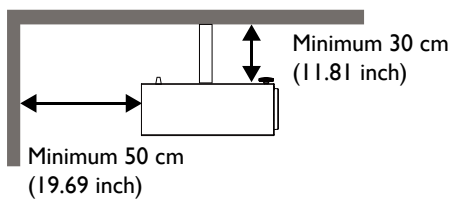
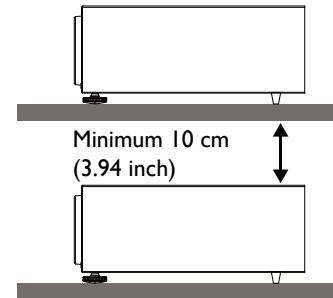
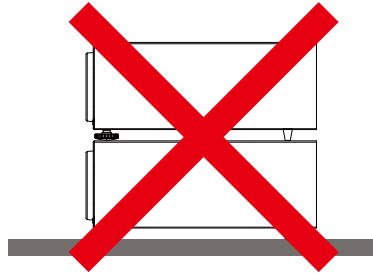
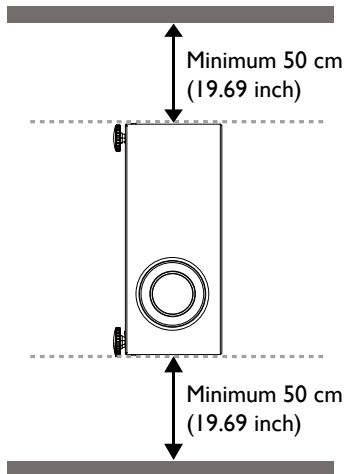
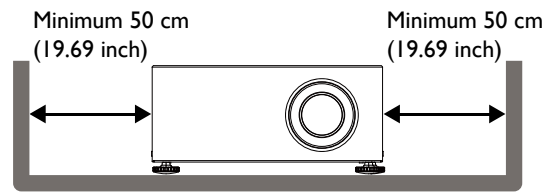
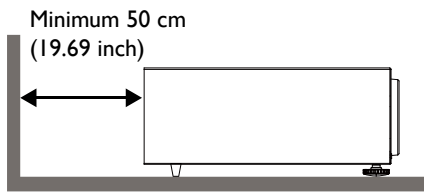
Keep the outlet at least 1 m away from the inlets of other projectors.



- The projector can be installed at any angle.



- Allow at least 50 cm of clearance around the exhaust vent.



- Ensure that the air intake vents do not recycle hot air from the exhaust vent.
- When operating in an enclosed space, make sure that the surrounding air temperature does not exceed the projector's operating temperature and that the air intake and exhaust vents are unobstructed.
- All enclosures should pass a certified thermal evaluation to ensure that the projector does not recycle exhaust air. Recycling exhaust air may cause the projector to shutdown even if the ambient temperature is within the acceptable operating temperature range.

 **Caution:**

To avoid damaging the DLP chips, never aim a high-power laser beam into the projection lens.